

County/District _____

Collection Date _____

Commercial Sample _____

Homeowner Sample _____

Sample Submission Form

Plant Disease Diagnostic Lab

Extension Plant Pathology

1712 Claflin Road

4032 Throckmorton Hall

Kansas State University

Manhattan, KS 66506-5504

Phone (785) 532-5810

Lab. No. _____

Received _____

Condition upon arrival:

Excellent _____ Fair _____

Good _____ Poor _____

***New way to pay your invoice:**

<https://commerce.cashnet.com/PPATH>

SUBMITTED BY _____

CLIENT NAME _____

STREET ADDRESS _____

STREET ADDRESS _____

CITY, STATE, ZIP _____

CITY, STATE, ZIP _____

PHONE # _____

PHONE # _____

Email (required) _____

Email (required) _____

PLANT _____	Location _____	field _____	landscape _____
Cultivar _____	_____	orchard _____	garden _____
Acreage/# affected _____	_____	golf course/park _____	windbreak _____
Date planted _____	_____	greenhouse _____	other _____

SYMPTOMS PRESENT:

Wilt Yellowing Scorch Leaf Mottle or Mosaic Tip Die Back
 Galls Stunting Fruit Rot Abnormal or Twisted Growth
 Canker Leaf Spot Root Rot Premature Leaf Fall Other _____

Date symptoms first appeared _____ Have you had this problem before? _____

OTHER INJURIES: Hail Wind Freeze or frost Sun Insects: _____

DISTRIBUTION OF DISEASE: One or few plants Spots or patches Edge of field only
 Upland, dry areas Low, wet areas Shaded areas Entire crop

Weather **last two weeks** _____

Watering or Irrigation: Furrow Overhead Trickle None How Often: _____

Soil: Type _____ pH _____ Drainage: Good Moderate Poor

CHEMICALS APPLIED TO CROPS (rate and type of application): _____

Last two crops planted on this site _____

COMMENTS - Describe the problem:

SHIPPING GUIDELINES

These guidelines should be followed for all types of plant samples.

- 1) Fill out the accompanying Plant Diagnostic Sample Submission Form as completely as possible.
- 2) Send a plentiful amount of **FRESH** plant material, it is best to include the entire plant when possible. Dig (do not pull) up the plant and ship as soon as possible.
- 3) Send a sample characteristic of the problem that exhibits a range of symptoms.
- 4) **DO NOT ADD WATER OR WET PAPER TOWELS TO THE SAMPLE!**
- 5) Seal the plant material in a plastic bag and pack in a crush-proof container.
- 6) Send only one type of sample in each bag.
- 7) Send information in a separate plastic bag.
- 8) Include necessary payment with sample.
- 9) Send samples on or before Wednesday in order to avoid weekend storage at the post office.

SPECIFIC COLLECTION GUIDELINES

(All samples should be sent in a plastic bag with a few air holes cut in it).

Crops/Annual plants: Send entire plants, including roots and soil. Carefully dig the plants up. Send several plants showing a range of symptoms. Seal the roots in a plastic bag and place the entire sample in a larger plastic bag. **DO NOT ADD WATER.**

Tree wilt diseases: Collect several branches $\frac{1}{2}$ to 1 inch in diameter and about 12 inches long. The samples should be in the process of wilting but not dead.

Trees/shrubs (foliage diseases, cankers, and fruit rots): Collect several branches 10-12 inches long (or fruit) showing a range of symptoms.

Turf: Samples should be 6 inches square by 4 inches deep. Collect the sample near the margin of the affected area so that a range of diseased and healthy tissue is included.

NEMATODE COLLECTION GUIDELINES

- Diagnostic sampling for initial detection of a nematode problem:
Separate samples from healthy and affected areas are essential for a reliable diagnosis of nematode damage. Collect several soil and root cores to a depth of 6 to 8 inches from the margin of the affected area. The soil cores should be bulked, mixed, and subsampled. Repeat the sampling process nearby in the healthy area. Submit 1 pint of soil and roots. Include the plants if possible.
- Advisory sampling for management purposes (for soybean cyst):
Collect samples prior to planting. Divide the field into sections based on soil type and cropping history. From each section collect at least five soil cores taken at a depth of 6 to 8 inches. The soil cores should be bulked, mixed, and subsampled. Submit 1 pint of soil.
- **Sampling for pine wilt:**
Collect a branch at least 2 inches in diameter and 6 to 8 inches long from adjacent to the trunk of the tree.
- Place sample in plastic bag immediately after collection and keep cool until shipping. Do not add water to the sample. Mail early in the week (Monday – Wednesday).
- Allow 1-2 weeks for a reply.